

459.
**CAERNARVONSHIRE COUNTY
COUNCIL**

EDUCATION COMMITTEE

**Annual
Report**

OF THE

**PRINCIPAL
SCHOOL MEDICAL OFFICER**

FOR THE YEAR 1961

**Caernarvonshire County
Council**

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CAERNARVONSHIRE COUNTY COUNCIL

To the Chairman and Members of the School Services and Welfare Committee.

Ladies and Gentlemen,

Information recorded in this report indicates that progress in the school health service is being made in several directions.

Our children's health is being well maintained. During the last two years not one child suffered from Poliomyelitis. It would be unwise to claim that this absence of the disease is due to our immunisation activities. But it may be justifiably maintained that giving nearly 70,000 protective doses of poliomyelitis vaccine to children has made some effective contribution to this freedom from the disease.

It is a remarkable achievement to be able to record for the 15th year in succession that not one child completely immunised by injections against diphtheria has suffered from the disease. But the "price of freedom is eternal vigilance" and continuous immunisation!!

But we must avoid becoming complacent. Only 49 per cent. of our young pre-school children are now protected against diphtheria. This disease can strike again in this county unless more children are protected. It remains a killer and a maimer as has been demonstrated in other areas in the last five years. Parents of today are personally unaware of the ravages of this disease. It is salutary to recollect that in a period of 15 years before immunisation was extensively practised in this county, 2,165 persons, including children, suffered, and 102 died from the disease. In the last 15 years there has been almost complete freedom from the disease apart from the death of one—an adult who had not been immunised and 5 cases who had not been immunised.

I am also very concerned about the need for giving more children protection against tuberculosis. Only 46 per cent. of our children over 10 years have been given B.C.G. This problem of tuberculosis is of paramount importance in this county although the incidence of the disease has been very markedly reduced in the last 30 years as the figures in this table demonstrate :

TUBERCULOSIS MORTALITY RATES
(Five-yearly Periods)

5 Year Period	Rate per 100,000 Population			
	Caernarvonshire	Wales	England and Wales	Denmark
1926-1930.....	138	104	92	76
1931-1935.....	124	97	79	61
1936-1940.....	118	82	66	40
1941-1945.....	85	75	66	34
1946-1950.....	74	62	49	24
1951-1955.....	43	30	21	9
1956-1960.....	27	N/A	10	N/A

We must surely be worried and very concerned when we realise that the incidence of the disease in this county still remains nearly three times that of the average for England and Wales.

I am convinced that by increasing the Health Visiting staff, making a concerted effort to persuade parents to accept B.C.G., and to continually advise tuberculous parents how to avoid infecting their children, we could reduce the incidence of this disease to the lowest possible figure.

Is it not our duty and indeed our privilege to attempt what has already been achieved in a small country like Denmark many years ago. During the last five years, fifty-nine children under 15 years of age were notified to be suffering from this disease. If a similar number of children had suffered from smallpox or poliomyelitis would we not have been stirred to further action by press comment and an outraged public opinion. How true it is that with disease as with so many other matters, "familiarity breeds contempt." But nobody who knows tuberculosis can with impunity treat it with contempt.

And therefore once again I advise the Committee to increase the Health Visiting Staff so that a concerted drive may be made against this disease. I quote this extract from my report for 1955 :

"Some authorities believe that the conquest and eradication of tuberculosis is 'just around the corner.' I feel rather sceptical of this belief unless we sharpen our attack. If we regard tuberculosis as an enemy—a ruthless and relentless enemy—we can claim that it is at least retreating. May we not, therefore, learn from military history and strategy. When the enemy is retreating, it is the most opportune and effective time to attack him with renewed vigour and with all available weapons."

Attention is drawn to information concerning tuberculosis, handicapped pupils, audiology service, dental service, child guidance service, milk and school meals in the body of the report.

The new Mobile Dental Clinic, purpose designed, was delivered during the year. It will improve the service in the more rural parts of the county.

I am glad to record that the last two of our schools are now provided with pasteurised milk. This will obviate the need for pasteurising milk in these two remaining schools.

It is not generally realised that the Education Committee is one of the largest special caterers in the county. Milk is available for 15,000 children daily. During school term approximately 12,300 nourishing and appetising school meals are provided daily. A very high standard of hygiene is maintained by the School Meals Organiser and her staff. The school health department supports this standard in many directions.

From my first report to the Committee for the year 1932 I quote this paragraph :

"There is one matter in particular that I would bring to the notice of the Committee. Several children in the schools of the county show evidence of malnutrition (a total of nearly 1,500) ; they are frequently absent from school due to minor illness and are not able to assimilate properly the education provided for them. These children would benefit enormously if given a glass of fresh milk daily in school. The Committee could either supply milk to individual children or make a contribution towards school milk funds ; and I sincerely recommend the adoption of this provision."

How markedly different is the condition of children today. This year only five children were observed whose physical condition was regarded as "unsatisfactory."

I would like to record again my appreciation of the assistance given by the Director of Education and his staff, the interest and help given by all the teachers, the support of the Chairman and members of the Committee, and the intensive work performed by all members of the School Health Department.

D. E. PARRY-PRITCHARD,

Principal School Medical Officer.

SCHOOL HEALTH SERVICES STAFF

Principal School Medical Officer	... D. E. Parry-Pritchard, O.B.E., M.D., D.P.H., M.B., Ch.B.
Deputy Principal School Medical Officer	C. T. Baynes, M.D., D.P.H., M.B., Ch.B.
Senior School Medical Officer	... M. Slater, M.B., Ch.B., C.P.H., D.C.H.
School Medical Officers	... J. R. P. Murley, M.R.C.S., L.R.C.P., D.P.H. (Commenced 9.1.61)
	J. D. Donnelly, M.B., Ch.B., D.Obst., R.C.O.G. (Com- menced 30.10.61)

All staff are also Assistant County Medical Officers of Health.

Dental Staff:

Principal School Dental Officer	... D. McIntyre, L.D.S.
School Dental Officers :	
Northern Area	... Vacant.
North Central	... G. H. Wilson, L.D.S.
South Central	... Ifor Ll. Williams, B.D.S.
Southern Area	... J. N. Sterndale Bennett, L.D.S.
Dental Attendants	... Three.

Psychiatric Officer ... Vacant.

Nursing Staff:

County Superintendent and Super- intendent Health Visitor	... Miss M. Richards, S.R.N., S.C.M., Q.N.S., M.T.D., H.V.
Deputy County Superintendent and Superintendent Health Visitor	... Miss E. E. Hughes, S.R.N., S.C.M., Q.N.S., H.V.
Health Visitors and School Nurses...	24 full-time and 2 part-time were (December 1961) ... employed.
Physiotherapist	... Miss M. F. Williams, M.C.S.P.
Speech Therapist (part-time)	... Mrs. G. V. Robyns, L.C.S.T.
Orthoptist	... Vacant.
Audiometrician (part-time)	... Mrs. J. D. Midgley, M.Sc. (Psychology).
County Health Officer	... Aneurin Jones.
Chief Clerk	... Cledwyn Parry.

CONSULTANTS

Orthopaedic	... Professor B. L. McFarland, F.R.C.S., M.Ch. (Orth.). G. I. Roberts, F.R.C.S., M.Ch. (Orth.).
Ophthalmic	... T. G. Wynne Parry, M.R.C.S., ... L.R.C.P., D.O.M.S. ... G. C. Laszlo, M.D., L.R.C.P., L.R.F.P.S., D.O. ... G. L. Harper, M.R.C.S., L.R.C.P., D.O.
Ear, Nose and Throat	... John Roberts, M.D., F.R.C.S. (Retired August 1961).
Paediatric	... Gwyn Griffith, M.D., F.R.C.P., D.P.H., D.R.C.O.G.
Child Guidance	... E. Simmons, M.D., L.R.C.P., L.R.C.S., L.R.F.P.S.
Plastic Surgery	... R. P. Osborne, B.Sc., M.B., Ch.B., F.R.C.S.
Anaesthetist	... Henry Edwards, M.R.C.S., L.R.C.P., F.F.A., D.A.
Chest Physician	... J. Glyn Jones, M.A., M.D., B.Chir.

Director of Education :
Mansel Williams, M.A., B.Sc.

SCHOOL HEALTH SERVICES—CLINICS

Table 1

<i>Clinic</i>	<i>Place held</i>	<i>Days held</i>	<i>Time</i>	<i>Attended by</i>
Ear, Nose and Throat Visual Defects.	C. & A. Hospital, Bangor.	Every Monday	1.30 p.m.	E.N.T. Consultant. E.N.T. Consultant.
	Llandudno General Hospital, Llandudno.	Every Tuesday	1.15 p.m.	
	War Memorial Centre, Oxford Road, Llandudno.	1st and 3rd Mondays	2.30 p.m.	Ophthalmic Consultant. School Nurse.
	C. & A. Hospital, Bangor.	1st Thursday monthly	2.0 p.m.	
Orthoptic	Central Clinic, Shirehall Street, Caernarvon.	1st and 3rd Wednesdays.	9.15 a.m.	
	School Clinic, Sackville Road, Bangor.	2nd and 4th Wednesdays.	9.15 a.m.	
	Pwllheli Hospital, Pwllheli.	4th Friday.	9.45 a.m. and 1.45 p.m.	Orthoptist.
	C. & A. General Hospital, Bangor.	Wednesdays	9.30 a.m. to 12.30 p.m. 1.30 p.m. to 5.00 p.m.	
	Snowdon Street Clinic, Portmadoc.	Alternate Thursdays	10.30 a.m. to 1.00 p.m.	do.
	Pwllheli Hospital.	Alternate Tuesdays	10.30 a.m. to 12.30 p.m. 1.30 p.m. to 5.00 p.m.	
	Llandudno General Hospital.	Fridays.	10.00 a.m. to 12.30 p.m. 1.30 p.m. to 5.00 p.m.	do.
	Central Clinic, Shirehall Street, Caernarvon.	Mondays	9.30 a.m. to 12.30 p.m. 1.30 p.m. to 5.00 p.m.	

NOTE.—The Orthoptic Clinics had to be discontinued in December 1960 due to the resignation of the Orthoptist.

Table 1 (*continued*)

<i>Clinic</i>	<i>Place held</i>	<i>Days held</i>	<i>Time</i>	<i>Attended by</i>
Orthopaedic and Ultra Violet Ray	War Memorial Centre, Oxford Road, Llandudno.	Every Wednesday	10.00 a.m. to 4.00 p.m.	Physiotherapist.
	Central Clinic, Shirehall Street, Caernarvon.	Every Tuesday	9.00 a.m. to 5.00 p.m.	do.
	Mount Pleasant, Penlan Street, Pwllheli.	Every Monday	10.00 a.m. to 4.00 p.m.	do.
	Snowdon Street Clinic, Portmadoc.	Every Thursday	10.00 a.m. to 4.00 p.m.	do.
	School Clinic, Sackville Road, Bangor.	Every Friday	9.30 a.m. to 4.00 p.m.	do.
A Survey Clinic is held each month at the Centres (except Portmadoc) in rotation attended by Orthopaedic Surgeon.				
Dental (held in addition to other regular clinics)	Dyffryn Road School, Llandudno	*Every Saturday	9.30 a.m. to 12 noon	School Dentist
	School Clinic, Sackville Road, Bangor.	Every Saturday	9.30 a.m. to 12 noon	Dental Attendant.
	Central Clinic, Shirehall Street, Caernarvon.	Every Saturday	9.30 a.m. to 12 noon	do.
	Snowdon Street Clinic, Portmadoc.	1st Saturday monthly.	9.30 a.m. to 12 noon	do.
	Mount Pleasant, Penlan Street, Pwllheli.	2nd, 3rd and 4th Saturdays, monthly.	9.30 a.m. to 12 noon	do.
	Carneddi School, Bethesda.	Last Saturday, monthly.	9.30 a.m. to 12 noon	do.
	New Clinic, Llanberis.	Saturdays—except last.	9.30 a.m. to 12 noon	do.
	The Clinic, Deiniol Rd., Deiniolen.	Periodically		
	*Periodically held at Dolgarrog.			
	Two Mobile Dental Units are available in the most rural parts of the County.			

Table 1 (continued)

<i>Clinic</i>	<i>Place held</i>	<i>Days held</i>	<i>Time</i>	<i>Attended by</i>
Minor Ailments	School Clinic, Sackville Road, Bangor.	Daily	9.00 a.m. to 10.00 a.m.	Health Visitor/School Nurse
	Central Clinic, Shirehall Street, Caernarvon.	Daily	4.00 p.m. to 5.00 p.m.	do.
	War Memorial Centre, Oxford Road, Llandudno.	Daily	9.00 a.m. to 10.00 a.m.	do.
	Legion House, Esplanade, Penmaenmawr.	Mondays, Wednesdays and Fridays	4.00 p.m. to 5.00 p.m.	do.
	Mount Pleasant, Penlan Street, Pwllheli.	Daily	9.00 a.m. to 10.00 a.m.	do.
	Jerusalem Chapel Vestry, Bethesda.	Monday mornings	9.00 a.m. to 10.00 a.m.	do.
	Drill Hall, Penygroes.	Daily	9.00 a.m. to 10.00 a.m.	do.
	New Clinic, Llanberis.	Daily	9.00 a.m. to 10.00 a.m.	do.
	The Clinic, Deiniol Road, Deiniolen.	Daily	9.00 a.m. to 10.00 a.m.	do.
	In addition to these Clinics Minor Ailments are treated locally by District Nurses.			
Child Guidance	School Clinic, Sackville Road, Bangor.	Every Tuesday	10.00 a.m. to 1.00 p.m. 2.00 p.m. to 5.00 p.m.	Psychiatrist. Psychologist. Educational Psychologist. Psychiatric Social Worker.
	Clinics at Llandudno, Caernarvon, Pwllheli and Portmadoc have had to be discontinued since August 1948 because of the absence of a Psychiatric Officer.			

Table 1 (*continued*)

<i>Clinic</i>	<i>Place held</i>	<i>Days held</i>	<i>Time</i>	<i>Attended by</i>
<i>General Clinics</i>				
Bangor	School Clinic, Sackville Road.	1st Saturday in the month	9.00 a.m. to 12 noon	School Medical Officer. School Nurse.
Caernarvon	Central Clinic, Shirehall Street.	Every Saturday	9.00 a.m. to 12 noon	
Conway	Muriau Buildings	3rd Friday in alternate months	2.00 p.m. to 4.00 p.m.	
Llandudno	War Memorial Centre, Oxford Road.	4th Tuesday in the month	9.00 a.m. to 12 noon	
Llan. Junction	Y.W.C.A. Hall	3rd Friday in alternate months	9.00 a.m. to 12 noon	School Medical Officer. School Nurse.
Penygroes	Drill Hall	Last Tuesday in the month	9.00 a.m. to 12 noon	
Portmadoc	Snowdon Street Clinic	2nd Tuesday in the month	9.00 a.m. to 12 noon	
Pwllheli	Mount Pleasant, Penlan Street	1st Tuesday in the month	9.00 a.m. to 12 noon	
Speech	War Memorial Centre, Oxford Road, Llandudno.	Every Monday	9.30 a.m. to 4.00 p.m.	Speech Therapist
	Mount Pleasant, Penlan Street, Pwllheli.	Every Tuesday	9.30 a.m. to 4.00 p.m.	do.
	School Clinic, Sackville Road, Bangor.	Every Wednesday	9.15 a.m. to 4.00 p.m.	do.
	Central Clinic, Shirehall Street, Caernarvon.	Every Thursday	9.15 a.m. to 4.00 p.m.	do.
	War Memorial Centre, Oxford Road, Llandudno.	Every Friday	9.30 a.m. to 12.30 p.m.	do.
	Muriau Clinic, Conway	Every Friday	2.00 p.m. to 4.00 p.m.	do.
	Central Clinic, Shirehall Street, Caernarvon.	Every Saturday	9.00 a.m. to 12 noon	do.

SUMMARY OF SERVICE PROVIDED

TABLE 2

SCHOOL POPULATION :

Number on books at the beginning of the year	...	...	18,884
Number on books at the end of the year	...	...	18,631

NUMBER OF CHILDREN MEDICALLY EXAMINED :

(a) at Periodic Inspections	...	...	...	...	6,469
(b) at Special Inspections	...	...	...	...	231
(c) at Re-Inspections	...	...	...	...	4,882

INDIVIDUAL CHILDREN FOUND AT PERIODIC INSPECTIONS TO REQUIRE TREATMENT :

(Excluding uncleanliness and dental diseases)	377
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INDIVIDUAL CHILDREN TREATED :

Errors of refraction (including squint)	1,253
Number of spectacles supplied	...	...	...	790
Defects of the Nose and Throat	...	...	...	60
Dental Defects	...	...	...	3,476

Orthopaedic :

(a) in hospitals or hospital schools	...	...	...	5
(b) in clinics or out-patients' departments	...	...	...	102
Speech Defects	...	...	...	54
Minor Ailments	...	...	...	45

HOME AND SCHOOL ATTENDANCES BY SCHOOL NURSES :

Attendances following Medical Inspection :	To homes	...	125
	To schools	...	30
Attendances following general health and hygiene inspections	To homes	...	506
	At schools	...	601
General health and hygiene inspections :	To homes	...	1,691
	To schools	...	1,306
Other Attendances :			
Attendances concerning Infectious Diseases	...	...	1,117

CONDITIONS OF SCHOOL BUILDINGS AND PLAYGROUNDS

Reports on defective or unsatisfactory conditions found at 119 schools in 1961 were submitted to the Director of Education. These conditions are enumerated in this table.

The percentage is calculated on the number of schools inspected by the Medical Officers.

159 of the 161 schools in the County were examined during 1961.

TABLE 3

YEAR	1961	
NUMBER OF SCHOOLS INSPECTED	159	
NATURE OF DEFECT	Number Observed	Percentage
Insufficient or unsatisfactory water supply	5	3.1
Defective or insufficient ventilation	2	1.2
Defective or insufficient heating arrangements	29	18.2
Unsuitable or insufficient lighting	4	2.5
Unsuitable or insufficient closet accommodation	20	12.5
Unsuitable or insufficient washing accommodation	19	11.9
Dampness	4	2.5
Insufficient cloakroom accommodation	9	5.6
Unsuitable playgrounds	8	5.0
Premises requiring to be decorated	10	6.2
Desks and/or chairs unsuitable	3	1.8
Absence of or unsuitable arrangements for drying clothes...	93	58.4
Unsuitable entrances—absence of guard-rails, motor warnings, etc.	5	3.1
Unsuitable blackboards	—	—

SANITARY ACCOMMODATION IN SCHOOLS AND SCHOOL WATER SUPPLIES

I have received this report from the County Health Officer :

“To the Principal School Medical Officer :

School Water Supplies.

Twenty-seven bacteriological water samples have been taken from schools or the water sources to schools in the county. Particular attention has been given to schools deriving their water supplies from wells and springs, as these supplies are liable to pollution and are unreliable.

Supplies to schools have been improved and where a main supply is available connection is made. There are still four schools deriving their supply of untreated water from wells and springs.

The water samples were examined at the Public Health Laboratory, Conway, and close co-operation is maintained with the District Medical Officers at all times with regard to unsatisfactory water supplies.

Number of samples taken from school water supplies	27
Number of samples found to be satisfactory	24
Number of samples found to be unsatisfactory	3

School Sanitary Accommodation.

Thirty-four inspections have been made of school sanitary accommodation during the year. This includes inspection of urinals, W.C.s and means of disposal.

Works of modernisation have been made at several schools and it is heartening to note that in some instances purpose made urinal stalls have been installed and hand wash basins with a supply of water conveniently

placed. However, as I have previously mentioned in the annual reports, many of our school sanitary accommodations are below standard. We still have conveniences of the hopper type which have been obsolete for years as they are unhygienic. I anticipate that we shall see the last of these during 1962.

Also at several schools the urinals leave much to be desired as many have rendered walls and inadequate flushing arrangements. The provision of proper purpose made urinal stalls is essential as, if the urinal is not properly constructed and self cleaning, it can become a potential danger to health and a serious public health nuisance.

Again I wish to mention that at the majority of our schools, sanitary accommodation in the past has been built some distance away from the school. This entails, during inclement weather, the children having to wear overcoats or mackintoshes to avoid becoming wet when using the conveniences. In planning new sanitary blocks it would be advantageous to bear this point in mind and to have the sanitary accommodation so sited that there would be no need for the children to leave the school buildings."

SCHOOL MEDICAL INSPECTIONS

Medical Inspections were performed in accordance with the Regulations issued in August 1953.

Caernarvonshire children are examined regularly :

- (a) as soon as possible after the date of admission to a maintained school for the first time ;
- (b) during their last year of attendance at primary schools ;
- (c) during the last year of attendance at secondary schools.

As a further safeguard, all Caernarvonshire children under five years of age attending schools are inspected annually ; all children found to be suffering from defects are inspected annually ; and special cases are examined at the request of head teachers and school nurses at schools and clinics.

The Medical Inspection of children attending 159 of the 161 schools in the county was completed during the year, and a total of 11,582 were examined by the School Medical Officers.

CONDITIONS FOUND AT MEDICAL INSPECTIONS

CLASSIFICATION OF PHYSICAL CONDITION

Table 4 shows the classification of the general condition of the pupils examined in the periodic age groups during 1961.

It is not easy to assess accurately the physical condition or state of nutrition because there are no easily recognised standards for comparison. Each doctor varies slightly in his assessment, but this table may be accepted as reflecting fairly accurately the physical condition of our children.

PERIODIC MEDICAL INSPECTIONS

TABLE 4

<i>Age Groups Inspected (By Year of Birth)</i>	<i>Number of Pupils Inspected</i>	<i>Physical Condition of Pupils Inspected</i>			
		<i>Satisfactory</i>		<i>Unsatisfactory</i>	
		<i>Number</i>	<i>% of Col. 2</i>	<i>Number</i>	<i>% of Col. 2</i>
(1)	(2)	(3)	(4)	(5)	(6)
1957 and later ...	560	560	100.0	—	—
1956 ...	1,071	1,070	99.91	1	0.09
1955 ...	976	975	99.91	1	0.09
1954 ...	181	180	99.45	1	0.55
1953 ...	67	67	100.0	—	—
1952 ...	55	55	100.0	—	—
1951 ...	855	854	99.88	1	0.12
1950 ...	868	867	99.88	1	0.12
1949 ...	67	67	100.0	—	—
1948 ...	22	22	100.0	—	—
1947 ...	984	984	100.0	—	—
1946 and earlier ...	763	763	100.0	—	—
TOTAL ...	6,469	6,464	99.93	5	0.07

DEFECTS OF NOSE AND THROAT.

Of 6,700 children examined in the Periodic and Special Groups, 36 (0.53 per cent.) were found to require treatment.

ERRORS OF REFRACTION (INCLUDING SQUINT).

Of those examined in the Periodic and Special Groups 219 (3.26 per cent.) were found to require treatment for visual defects. An additional 42 children (0.62 per cent.) required treatment for squint.

DEFECTIVE HEARING AND EAR DISEASE.

Treatment of 18 children (0.26 per cent.) was required.

TUBERCULOSIS

All school children who are suspected by the School Medical Officers to be suffering from Tuberculosis, and all children known to be contacts to tuberculous patients, are referred for examination by the Chest Physician at special clinics held at Llandudno, Caernarvon, Bangor and Pwllheli weekly. Before attending each child is visited by the School Nurse, who performs a tuberculin skin test five days before the date of the clinic. The result of this test is read by the Chest Physician and each child showing a positive reaction is clinically and radiologically examined.

During 1961 128 children were referred for examination by the Chest Physician, and the results of the examinations are given in Table 7. Ten children under 15 years were notified as suffering from Tuberculosis during 1961 and details are given in this Table.

TABLE 5.

PULMONARY		NON-PULMONARY		TOTAL		<i>Grand Total</i>
<i>Males</i>	<i>Females</i>	<i>Males</i>	<i>Females</i>	<i>Males</i>	<i>Females</i>	
4	5	—	1	4	6	10

TABLE 6. B.C.G. IMMUNISATION OF SCHOOL CHILDREN 1961

SCHOOL	No. of consents distributed	No. of consents received	Percentage consents	Number tested	Number absent	Number Positive	Percentage Positive	Number Negative	Percentage Negative	Number Immunised	Number Positive During Annual Testing	Number Negative During Annual Testing
	1961	1961	1961	1961	1961	1961	1961	1961	1961	1961	1961	1961
Carneddi	44	44	100.	36	8	1	2.77	35	97.23	33	—	—
Bryncroes	8	8	100.	7	1	1	14.28	6	85.72	6	—	—
Botwnnog V.C.	10	9	90.0	9	—	1	11.11	8	88.89	8	—	—
Llanbedrog	14	13	92.85	12	—	2	16.66	10	83.34	10	—	—
Pwllheli Sec. Mod. ...	145	138	95.17	124	14	3	2.42	121	97.58	121	—	—
Pwllheli Grammar ...	182	158	86.81	142	16	12	8.45	123	86.62	123	—	—
Brynrefail Bilateral ...	252	243	96.42	228	15	38	16.66	189	82.89	177	11	8
Gwm-y-Glo	11	10	90.90	9	1	—	—	9	100.	9	—	—
Nant Peris	6	6	100.	6	—	—	—	6	100.	6	—	—
Llanrug	23	19	82.60	15	4	—	—	15	100.	15	—	—
Dolbadarn	28	26	92.85	22	4	—	—	22	100.	22	—	—
Waunfawr	16	16	100.	16	—	1	6.25	15	93.75	15	—	—
Rhyd Ddu	5	5	100.	4	1	—	—	4	100.	2	—	—
Garth	47	41	87.23	37	4	—	—	36	97.30	36	—	—
Penygroes (Junior) ...	34	32	94.11	27	5	1	3.70	23	85.15	23	—	—
Nebo	8	7	87.50	7	—	1	14.28	5	71.43	5	—	—
Nantlle	2	1	50.00	1	—	—	—	1	100.	1	—	—
Talysarn	18	16	88.88	16	—	—	—	13	81.25	13	—	—
Llanllyfni	17	16	94.11	16	—	1	6.25	14	87.50	14	—	—
Troed-yr-Allt	52	51	98.07	50	1	—	—	40	80.00	40	—	—
Llandegai	11	11	100.	11	—	—	—	10	—	10	—	—
Beddgelert	6	6	100.	5	1	1	20.00	2	40.00	2	—	—
Nantgwynant	6	6	100.	6	—	—	—	6	100.	6	—	—
Aber	6	6	100.	6	—	—	—	6	100.	6	—	—
Llanfairfechan	55	55	100.	37	18	1	2.70	36	97.30	36	—	—
Capelulo	19	19	100.	15	4	—	—	15	100.	15	—	—
Penmaenmawr	19	19	100.	15	4	—	—	15	100.	15	—	—
Cae Top Junior	59	58	98.30	50	8	—	—	50	100.	50	—	—
St. Paul's Welsh	22	21	95.45	19	2	—	—	18	94.73	18	—	—
Craig-y-Don	49	49	100.	37	12	—	—	30	81.08	30	—	—

John Bright	214	204	95.32	170	34	26	15.29	106	62.35	106	2,026	11	8
Dyffryn Road Junior...	39	39	100.	39	—	2	5.12	37	94.87	37		—	—
Stella Maris	12	12	100.	12	—	—	—	12	100.	12		—	—
Bangor R.C.	33	32	96.96	31	—	—	—	21	67.74	21		—	—
Caernarvon Sec. Mod..	296	272	91.89	247	25	19	7.69	212	85.83	212		—	—
Botwnnog Bilateral ...	131	128	97.70	108	20	11	10.19	91	84.26	91		—	—
Caernarvon Grammar..	152	145	95.39	136	9	17	12.50	118	86.76	118		—	—
Caernarvon Boys	46	40	86.95	40	—	—	—	36	90.00	36		—	—
Caernarvon Girls	40	39	97.50	36	—	4	11.11	29	80.55	29		—	—
Caernarvon R.C.	5	4	80.00	4	—	—	—	4	100.	4		—	—
Bronyfoel	8	8	100.	8	—	—	12.50	7	87.50	7		—	—
Felinwnda	4	4	100.	4	—	—	—	4	100.	4		—	—
Bontnewydd	10	9	90.00	6	3	—	—	4	66.66	3		—	—
Penforddalen	14	12	85.71	11	1	—	—	10	90.90	10		—	—
Penlleiniau	11	11	100.	11	—	—	—	10	90.90	10		—	—
Chwilog	13	13	100.	13	—	—	—	13	100.	13		—	—
Treborrh Hall	26	26	100.	25	1	3	12.00	21	84.00	21		—	—
Abererch	10	9	90.00	9	—	—	11.11	8	88.88	8		—	—
Llangybi	6	6	100.	5	1	—	—	4	80.00	4		—	—
Portdinorwic	21	19	90.47	18	1	1	5.55	15	83.33	15		—	—
Vaynol	18	17	94.44	16	1	1	6.25	15	93.75	15		—	—
Penygroes Bilateral ...	223	166	74.43	142	24	16	11.26	120	84.50	120		—	—
Deiniolen	20	18	90.00	18	—	1	5.55	17	94.44	17		—	—
Llandinorwic	3	3	100.	3	—	—	—	3	100.	3		—	—
Penisarwaen	7	7	100.	7	—	1	14.28	6	85.72	6		—	—
Llanddeiniolen	3	3	100.	3	—	—	—	3	100.	3		—	—
Rhiwlas	6	6	100.	6	—	—	—	6	100.	6		—	—
Dinorwic	5	5	100.	4	1	—	—	4	100.	4		—	—
Bethel	10	8	80.0	5	3	—	—	5	100.	5		—	—
Portmadoc Bilateral ...	174	167	95.96	155	12	5	3.22	141	90.96	141		—	—
Caernarvon V.C.	59	56	94.91	51	5	1	1.96	45	88.23	45		—	—
Rhostryfan	10	10	100.	10	—	1	10.00	8	80.00	8		—	—
Rhosgadfan	10	9	90.	9	—	1	11.11	7	77.77	7		—	—
Caethraw	3	3	100.	3	—	—	—	3	100.	3		—	—
Llanllechid	20	20	100.	19	1	1	5.26	17	89.47	17		—	—
TOTALS	2,836	2,639	93.05	2,369	265	177	7.47	2,045	86.32	2,026		11	8

B.C.G. IMMUNISATION.

Immunisation of children born to tuberculous mothers and of children in contact with open cases of Tuberculosis continued and details of children protected since the inception of the scheme are given in Table 8.

B.C.G. immunisation, extended to school leavers during 1955, was continued and children who attained their tenth birthday on or before September 30th, 1961, were tested during 1961.

The response to the invitation sent to parents was, with a few exceptions, very good.

An analysis of the results is given in Table 6.

Of the 177 children showing a positive reaction, 46 were strongly positive and were referred to the Chest Clinic for examination. Of these twenty-nine were found to be satisfactory; 10 were kept under observation; one was already attending the Chest Clinic and 6 had been immunised previously.

The remaining 131 children showed only a mild positive reaction and were invited to attend the Mass Radiography Unit for X-ray examination. Of these 81 were found to be satisfactory; seven had been previously immunised and forty-two failed to return the *pro forma* giving the result of this examination.

The remaining child was examined by the Mass Radiography Unit and therefrom referred to the Chest Clinic. The child was found to be suffering from pulmonary tuberculosis and has been admitted to hospital for treatment.

All family contacts have been requested to attend for X-ray examination.

TABLE 7.—“CONTACT” CLINICS

		Result of Examination.										Failed to Attend	
No. Referred		Positive					For Observation					Negative	
		Pulmonary		Non-Pulmonary					Age			Age	
Age		Age		Age			Age		Age			Age	
-5	5-16	-5	5-16	-5	5-16	-5	5-16	-5	5-16	-5	5-16	-5	5-16
M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.
23	49	1	—	—	—	3	2	18	9	1	31	1	3
12	44	—	—	—	—	—	10	—	—	—	—	—	—

TABLE 8.—B.C.G. IMMUNISATION (ORIGINAL SCHEME)

Year	Preliminary Skin Tests		Children Immunised with B.C.G.					Reaction after Immunisation	
	Positive Reaction	Negative Reaction	-1	1-5	5-10	10-15	15-20	Total	
1950.....	10	36	13	10	6	7	—	36	36
1951.....	41	116	18	35	35	26	2	114*	116
1952.....	22	147	26	61	34	22	4	147	147
1953.....	34	101	42	25	18	12	4	101	101
1954.....	25	309	69	80	96	52	12	309	309
1955.....	45	276	69	91	75	33	8	266‡	276
1956.....	28	245	68	74	81	19	3	242\$	245
1957.....	19	276	88	72	70	39	7	265§	276
1958.....	35	857	121	204	292	231	9	203††	857
1959.....	50	809	85	167	258	286	13	104	809
1960.....	11	290	70	107	56	43	6	59	290
1961.....	37	866	176	133	382	213	35	151	866
Totals ...	357	4,328	845	1,059	1,403	983	103	1,997	4,328
									35

†Child had negative reaction after first post-immunisation test and was given a second application, but the parents refused further examination.

*One child left the county before an examination could be made to ascertain the reaction.

‡Ten children failed to attend for post-immunisation examination.

\$Three children failed to attend for post-immunisation examination.

§Eleven children failed to attend for post-immunisation examination.

††610 children attending three schools will not be re-tested until 1959

‡‡To be re-examined in 1959

§§Of the 809 children immunised it was only possible to test 113—the remaining 696 will be tested in 1960.

¶The remaining children will be post-tested in 1962.

EXAMINATION OF SCHOOL ENTRANTS

Due to concentration of effort in immunising against Poliomyelitis it was impossible to perform tuberculin tests of all children entering school for the first time. In past years all children whose parents have consented have been so examined, and arrangements made for all children showing a positive reaction to be radiologically examined at the Chest Clinic or by the Mass Radiography Unit. 579 children were tested in 1961, six of whom gave a positive result and were referred to the Chest Physician.

Of the six giving a positive result three were found to be satisfactory and the other three kept under observation.

HANDICAPPED PUPILS

Ascertainment of Handicapped Pupils under Section 34 of the Education Act, 1944, continued during the year.

Table 9 gives details of Caernarvonshire children classified as Handicapped Pupils according to the definitions prescribed in the School Health Service and Handicapped Pupils Regulations, 1953.

These extracts from reports received on the progress made by a selection of children after admission to Special Schools are of interest. The reports on deaf children again demonstrate the absolute necessity of giving special attention to such children as soon as their deafness is ascertained. If parents follow the advice and supervision given to them in future at the Audiology Clinic, deaf children will no longer remain dumb or partially dumb.

1. BLIND. (Excision of both eyeballs due to neoplasm).
S.R.E. Chorleywood College.
Date of Birth : 21.4.45
Admitted to Special School on 13.9.48 when aged 3 years.
Report made Autumn Term 1961.
General Progress : Has made progress particularly in English and music.
Health : Good.
Conduct : Good.
Examination Results : Oxford G.C.E. "O" Level July 1961.

English Language	...	50
Literature	...	55
Religious knowledge	...	60

2. PARTIALLY SIGHTED (Retrolental Fibroplasia).
T.E. Residential School for the Blind, Bridgend.
Date of Birth : 9.2.51
Admitted to Special School on 16.4.56 when aged 5 years 2 months.
Report made July 1961.
English : Has worked well and made progress.
Arithmetic : Definite progress made.
Science : Usually actively interested. Retains matter taught.

Religious Instruction : Always interested and active.
 Welsh : Attentive and answers well. Making good progress.
 Response and General Behaviour : Has worked very well this term and made rather slow but steady progress up to his capacity.

3. PARTIALLY SIGHTED (Microthalmus and Choroidal Colobom a)
 G.H.T. Residential School for the Blind, Bridgend.

Date of Birth : 12.2.53

Admitted to Special School on 19.1.59 when aged 5 years 11 months.

Report made July 1961

English Composition :

Oral	Fruitful ideas and good vocabulary.
Writing	A big improvement. Very good progress.
History	Has tried hard and made satisfactory progress. Shows a more lively interest.
Science	A determined effort made and more pleasing results.

Religious Instruction: A keener interest in Bible stories shown.

Welsh Progressing fairly well.

4. PARTIALLY SIGHTED (Retrolental Fibroplasia).

C.L.R. Residential School for the Blind, Bridgend.

Date of Birth : 9.12.49

Admitted to Special School on 6.5.57 when aged 7 years 5 months.

Report made July 1961.

English : Knows names and sounds of most words ; can write many words quite independently and understand meanings. Letters now smaller and neater. Speech becoming clearer.

Physical Education : Active and agile. Confident on apparatus. Good carriage and movement. Very good co-ordination.

Conduct and Progress: Is now quite settled in the classroom and works quietly for long periods. Takes a pride in her written efforts. Good, practical ability.

5. DEAF.

D.H. Royal Residential School for the Deaf, Manchester.

Date of Birth : 20.1.49

Admitted to Special School 19. 4. 55. when aged 5 years.

Report made January 1961

Lipreading : Good in conjunction with his hearing.

Reading Comprehension : Good, steady work and is progressing slowly.

Drawing and

Painting : Good, works hard.

Handwork : Technique improving.

Physical Education : Does take an active part in all activities.

Social Development : Is developing into a reliable and very helpful member of the school. Usually calm and happy with everybody.

Remarks : A very good attitude to school and work. Should develop into a very reliable boy.

6. DEAF.

M.L.D.J. St. John's Institute for the Deaf, Boston Spa.

Date of Birth : 24.5.46

Admitted to Special School 8.1.52 when aged 5 years 11 months.

Report made Summer 1961.

Speech :	Good. Always uses her voice.
Lip-reading :	Very good and accurate.
Language :	Good, in a limited way.
Reading :	Good and fluent.
Arithmetic :	Mechanical work good, though limited to the basic rules.
Geography :	Is interested and works hard.
Handwork :	Fairly good but rather slow.
Cookery :	Fair. With more effort she could do better.
Application :	Poor.
Conduct :	Good.
Character :	A happy child but not inclined to work. She has very little sense of responsibility for her age.

7. DEAF.

E.A. Llandrindod Wells Residential School.

Date of Birth : 27.8.49

Admitted to Special School 14.9.54 when aged 5 years 1 month.

Report made December 1961,

Speech :	Is now in a class for "Partially Deaf" children and considering the amount of residual hearing she has her speech is good, but it is much below that of her partially deaf classmates.
Speech-reading:	Good.
Reading :	Good. Spelling and dictation : Top of the class.
Arithmetic :	Money and time quite good. Satisfactory progress.
Physical Training :	Tries harder with more confidence.
Conduct in Work and Play :	Has improved a great deal and apart from her "Speech" she is keeping pace in her new class.

8. DEAF.

E.J.R. Royal Residential Schools for the Deaf, Manchester.

Date of Birth : 22.12.46

Admitted to Special School 27.5.49 when aged 2 years 5 months.

Report made December 1961.

Lipreading :	Fair progress.
Oral Expression :	Showing some improvement.
Social Development:	Has a good social attitude.
Arithmetic :	Making good progress.
Science :	Tries hard, improving.
Woodcraft, Craft-work :	Steady progress.
Remarks :	Co-operates quite well and is making satisfactory progress.

9. PARTIALLY DEAF.

B.W. Liverpool School for the Partially Deaf, Birkdale.

Date of Birth : 27.7.49

Admitted to Special School in September 1954 when aged 5 years.

Report made December 1961.

Lipreading : Very good.

Reading : Good—reliable concentration and comprehension.

Writing : Always very tidy.

Geography : Interested—illustrates well.

Nature study : Keen and knowledgeable.

Art : Very good.

Handwork : Very good—full of ideas.

Conduct : Good—obedient and cheerful.

Special Remarks : Quite good progress but is above the average age of this class.

10. PARTIALLY DEAF.

I.R. Birkdale School for the Partially Deaf.

Date of Birth : 14.7.46

Admitted to Special School in May 1957 when aged 10 years 10 months.

Report made December 1961.

Lipreading : Uses quite well.

Reading : Reads fluently. Needs to work hard at set books.

Arithmetic : Is making commendable progress.

History : Always works well. Second in the term-end test.

Geography : Very quick and neat worker.

General Science : Neat and careful experimental work.

Scripture : An enthusiastic member of the class.

Conduct : Good, pleasant and well-mannered.

Response : Eager to learn and responds well to teaching. Has made a very good school librarian. Is developing a much greater sense of responsibility.

Special Remarks : Continues to work well—good test results.

11. EDUCATIONALLY SUB-NORMAL.

G.W.J. Camphill-Rudolf Steiner School, Bielfield, Aberdeenshire.

Date of Birth : 10.2.49

Admitted to Special School in the Autumn 1957 when aged 8 years.

(Was then residing in Radnorshire).

Report made July 1961

General Education : Likes to go to school. He is eager to join all the activities of his class but his word understanding is very poor. He does understand simple commands but he cannot follow the content of a story or any long sentences. Is always cheerful, sometimes noisy, and has a lot of humour.

Reading : Cannot read and it is difficult for him to understand the meaning of a letter.

Painting : Loves this lesson and does quite well. He can make recognisable, though primitive forms.

12. EDUCATIONALLY SUB-NORMAL.

J.W. Brynlllywarch Residential Special School.

Date of Birth : 19.1.49

Admitted to Special School on 12.9.61 when aged 12 years 8 months.

Report made December 1961.

Scripture : Fair.

Nature Study : Seems to be interested in life around him.

Music : Fair.

Physical Training : Games : Good.

Remarks : This boy is very backward but now that he has settled down to life in a residential school I am sure he will show steady improvement.

Attitude to School work : Quite good, is most willing to work and wants to be able to do better.

13. EDUCATIONALLY SUB-NORMAL.

L.G. Brynlllywarch Residential Special School.

Date of Birth : 6.9.50

Admitted to Special School on 4.5.60 when aged 9 years 8 months.

Report made December 1961

Scripture : Very good.

Nature Study : Fair.

Music : Good, tries hard in violin class.

Remarks : There is satisfactory progress in most subjects and is doing well in his new class, to which he was promoted this year.

Attitude to School work : Is working very hard in his new class.

General Health : There is a marked improvement in his nocturnal enuresis complaint and this improvement is helping him immensely in his general behaviour and work.

14. EDUCATIONALLY SUB-NORMAL.

J.L. Ryton Hall Special School, Shropshire.

Date of Birth : 23.7.47

Admitted to Special School on 14.1.58 when aged 10 years 6 months.

Report made May 1961.

Religious Instruction: Shows interest in this subject.

Language : Continues to make progress. This would not only be true of his work, but in the pleasure he derives in doing his best. He is always anxious to please. His enthusiasm in class is usually carried over to the evening, when much reading is done.

Behaviour and Social Adjustment : Beyond a little excitability when he cannot grasp what is required, he is well mannered and well behaved.

General Observations: Is working hard and making progress. He seems contented and able to cope with his environment.

15. MALADJUSTED.

B.G. The Mount School, Chepstow.

Date of Birth : 17.9.46

Admitted to Special School on 11.1.54 when aged 7 years.

Report made Autumn Term 1961.

General Remarks : He has worked well this term at the various practical and project tasks in which he has been engaged.

This boy was discharged from Special School in December 1961, and is now employed by British Railways. His work consists of selling refreshments from a mobile trolley to passengers on through trains on the platform. (It has been reported that since he commenced his duties sales have increased by some fifty per cent. His supervisor reports that he is pleasant, well-mannered and well-dressed, and is popular with her staff. He is keen and co-operative.)

16. MALADJUSTED.

F.F. Shotton Hall Residential School.

Date of Birth : 8.3.50

Admitted to Special School on 29.6.61 when aged 11 years 3 months.

Report made December 1961

Mathematics : He works reasonably well but does not like new work.

English : Fairly good—spelling very good.

Geography : Can do good work when he settles to it.

General Work : After an unsettled start is now working very well ; some of the work is of an excellent standard.

Art and Craft : Does not like art, but is skilful in handicrafts ; has done some clay modelling.

General Progress : Is quieter and is settling into school better than at the beginning of the term.

17 PHYSICALLY HANDICAPPED (Spina Bifida).

M.S. Warlies Hospital Home.

Date of Birth : 22.11.45

Admitted to Special School on 8.9.53 when aged 8 years.

Report made Summer 1961.

English : Reading Very good—but not reading many books.

Oral work : Good—keen interest in discussion.

Written

work : Good.

Number : Working well. Has made simple graphs and worked on area and volume this term.

Religious Knowledge : Quite good.

Nature Study : Very keenly interested in this subject.

Social Studies : Quite good.

General School

Progress : A fair term's work. Could do better.

General Behaviour : Good.

18. PHYSICALLY HANDICAPPED (Spastic).

J.C.J. Farney Close School, Bolney, Sussex.

Date of Birth : 4.12.46

Admitted to Special School on 15.1.60 when aged 13 years.

Report made Autumn 1961

Arithmetic : Has faithfully grasped new processes.

Geography : General : Very interested and doing good work.
Map-reading : Quite a good worker.

Religious Knowledge: Quite keen and answering well verbally.

Science : Quite keen on biology.

Arts and Crafts : Clay modelling. Very keen. Has made careful and complicated models. Works faithfully and patiently.

Principal's Remarks : Is disturbed by the unsatisfactory links with his mother. He has not yet faced up to the truth of the situation. In spite of this he puts a lot into his school life and is surprisingly cheerful a lot of the time.

19. EDUCATIONALLY SUB-NORMAL :

L.H. High Close School (Dr. Barnardo's).

Date of Birth : 18.8.45

Admitted to Special School on 29.11.57 when aged 12 years.

Report made December 1960

Reading : Has shown gradual improvement in her work.

Handwriting : Neat, bold and very clear.

Scripture : Good.

Music : Makes a good effort.

Nature Study : Shows quite a lot of interest.

Needlework : Fairly good.

Special Interests : Reading.

Cookery : Quite good. Always helpful.

General School Progress : Was a most responsible, helpful senior this term.

This girl left the High Close School on 15.8.61 and has obtained a post on the domestic staff at a London Hospital. This is a small hospital for handicapped people, run by Anglican Sisters. She is very happy there and her employers are satisfied with her.

TABLE 9

<i>Category</i>	<i>Attend- ing Special Schools</i>	<i>Attend- ing Ordinary Schools</i>	<i>Receiving Home Tuition</i>	<i>At Home</i>	<i>Totals</i>	<i>Requiring places at Special Schools but re- maining unplaced</i>
Blind	2	—	—	1	3	—
Partially Sighted	4	4	—	—	8	1
Deaf	5	—	—	2	7	—
Partially Deaf	3	10	—	2	15	1
Delicate	2	53	1	4	60	—
Physically Handicapped	1	46	5	5	57	6
Educationally Subnormal	45	107	—	1	153	30
Maladjusted	1	4	—	—	5	2
Epileptic	2	1	—	—	3	—
TOTALS	65	225	6	15	311	40

In addition to the 65 children in Special Schools, 1 child was admitted to the Gwynfa Residential Clinic for Maladjusted Children, Upper Colwyn Bay.

Shortage of staff has prevented all children being ascertained and therefore this table does not reflect accurately the total number of handicapped school children in the county.

MEDICAL EXAMINATION OF INTENDING TEACHERS

In addition to their normal duties, School Medical Officers have to medically examine applicants for admission to Training Colleges as intending teachers.

The number of such candidates examined was 176.

AUDIOLOGY SERVICE

Mrs. Jane D. Midgley, M.Sc., was appointed in October, 1960, on a part-time basis to conduct a survey of the hearing of schoolchildren between the ages of 5 and 8 years in the county. Before her marriage Mrs. Midgley was a Research Assistant at the Department of Audiology and Education of the Deaf at Manchester University under Professor Sir Alexander Ewing. Any child with suspected deafness or slow educational progress was also included in the survey.

The most frequent cause of loss of auditory acuity in children is a catarrhal condition of the ears, nose or throat and occasionally this is associated with speech defects and lack of educational progress.

It is hoped that this investigation will detect losses of auditory acuity at an early stage and enable treatment to be instituted which will prevent permanent handicap.

The tests are performed on an Amplivox Transistor Audiometer. This is a battery operated machine which will facilitate the work in rural areas.

There are sixteen children classified as Partially Deaf in the county. Three of these children are in Residential Special Schools and ten children are attending ordinary day schools.

Particular attention is given to following up the educational progress of those children in ordinary day schools who wear hearing aids.

I have received this report from Mrs. Midgley on the work she performed during 1961 :

“During 1961 the survey of hearing of children between 5 and 8 years has continued. 1789 children in this age group were tested, and a further 177 children were examined by request. 20 per cent. of the survey group were found to have losses of auditory acuity and were referred to the Medical Officer for further investigation, while a further 18 per cent. have been listed for review in 6-12 months due to loss of acuity for high tones which might represent early progressive defect.

The test programme was extended at the beginning of the year to include more intensive audiological follow-up of sweep failures. Children failing two sweep tests now have an audiogram and suitable cases are given a test of hearing for speech. This provides diagnostic information for the Medical Officer, and a basis for pre-and post treatment comparisons.

I would like to thank all those who have helped in the organisation of the survey and in particular the Headteachers and the staffs of the schools I have visited for the welcome they have given to this survey. They have been interested and co-operative and above all patiently understanding and helpful in attempting to overcome the difficulties of testing hearing amid the din of a busy school. Acoustically many schools are quite unsatisfactory for making tests of hearing, and most of the difficulties and delays encountered during the year stem from this.

I am grateful for the opportunity which was afforded me to attend the 4-day Audiology Course at the Department of Audiology and Education of the Deaf, Manchester University, in February 1961. This was at once a source of information and inspiration.

JANE D. MIDGLEY.’

Of the 1,789 tested in the Survey Group, 283 were seen by Assistant Medical Officers during 1961 with these results :

Tonsils and/or Adenoids enlarged	65
Catarrhal condition of Naso Pharynx	81
Otitis Media (present)	26
Wax in ear passage	7
Nerve Deafness.....	3
Other conditions	6
No abnormality found	68
Failed to attend.....	27

AUDIOLOGY SERVICE

Table 10

SCHOOL	Number Tested	<i>Referred for further investi- gation by the School Medical Officer</i>
Deganwy Primary	100	27
Craigydol Primary	157	31
Hirael Infants... ..	149	28
St. Paul's Primary	71	9
Bangor Roman Catholic	62	16
Gerlan V.C.	55	15
Llandudno Junction Primary	199	49
Portdinorwic Primary	52	5
Capel Curig Primary	17	6
Trefriw Primary	42	9
Carneddi Primary	159	20
Cactop V.C.	182	23
Maesincla V.C.	216	70
Caernarvon Infants Primary	156	23
Penmaenmawr V.C.	121	17
Conway V.C. Infants	67	17
Capelulo Primary	70	15
Conway V.C. Junior	69	17
Aber V.C.	22	3
TOTAL	1,966	400

The total of 1,966 includes 1,789 children who were within the 5 to 8 year old age group plus 177 children who were outside this age group and who were tested on request.

CHILDREN SEEN AT BANGOR AUDIOLOGY CLINIC—1961

Total Number of Children seen—27.

TABLE 11.

	<i>Under 5 Years</i>	<i>Over 5 Years</i>
OLD CASES	7	2
NEW CASES	7	11
TOTAL	14	13
CAUSE OF REFERRAL :		
Follow up of cases seen previously	7	1
Slight loss of hearing	2	3
Deafness	3	5
Failed Audiogram or Screening Test	1	4
Poor Speech	1	—
TOTAL	14	13
SOURCE OF REFERRAL :		
County Health Department	8	9
County Medical Officer of Health, Anglesey ...	2	2
County Medical Officer of Health, Merionethshire	1	—
County Medical Officer of Health, M'tgomeryshire	1	—
County Medical Officer of Health, Denbighshire	1	—
E.N.T. Consultant	1	—
Paediatrician	—	2
TOTAL	14	13
DIAGNOSIS :		
No deafness	3	—
Slight deafness	3	2
Partial deafness	—	10
Deafness	8	1
TOTAL	14	13
RECOMMENDATIONS :		
No further action	3	—
For hearing aid	—	5
For hearing aid and auditory training ...	2	1
Continue hearing aid and auditory training ...	—	1
Continue auditory training	2	—
For Special School	4	1
For further tests	3	—
To sit in front row of classroom	—	1
To sit in front row of classroom and for I.Q. ...	—	1
To sit in front row of classroom and further tests.	—	2
For E.N.T. Consultation	—	1
TOTAL	14	13

SCHOOLCHILDREN REFERRED FOR AUDIOMETRIC TESTING —1961

TABLE 12

<i>Centre</i>	<i>Number Invited</i>	<i>Number Seen</i>	<i>Failed to Attend</i>
Bangor	17	13	4
Caernarvon	15	12	3
Conway	9	9	—
Llanberis	10	8	2
Llandudno	32	21	11
Pwllheli	13	10	3
TOTAL	96	73	23

	<i>Bangor</i>	<i>Caernarvon</i>	<i>Conway</i>	<i>Llanberis</i>	<i>Llandudno</i>	<i>Pwllheli</i>	<i>Total</i>
<i>Source of Referral :</i>							
A.M.O.'s	12	10	5	6	19	9	61
G.P.'s	—	2	1	—	—	—	3
H.V.s	1	—	3	2	—	1	7
Headteacher	—	—	—	—	1	—	1
Paediatrician	—	—	—	—	1	—	1
TOTAL	13	12	9	8	21	10	73
<i>Cause of Referral :</i>							
For retest	4	6	6	6	12	3	37
Deafness	6	6	3	2	8	4	29
Poor speech	1	—	—	—	1	2	4
Failed Screening Test. .	1	—	—	—	—	1	2
Transfer from other area	1	—	—	—	—	—	1
TOTAL	13	12	9	8	21	10	73
<i>Recommendations following Tests :</i>							
For E.N.T. Consultation	4	1	2	3	4	3	17
For Audiology Clinic. .	2	1	—	—	1	—	4
To own Doctor.....	—	1	—	—	—	1	2
Follow up at school ...	2	1	1	3	6	—	13
For front row of class. .	—	1	1	—	1	—	3
For I.Q.	—	—	1	—	—	—	1
For retest	3	5	2	2	7	3	22
No further action ...	2	2	2	—	2	3	11
TOTAL	13	12	9	8	21	10	73

SCREENING TESTS OF CHILDREN UNDER FIVE YEARS OF AGE—1961

No. of children tested during routine visits	769
No. of children retested from 1960	6
Total	775
No. of children found to have satisfactory hearing	739
No. of children found to have unsatisfactory hearing	36
Total	775

Children found to have Unsatisfactory Hearing on First Testing :

No. of children found to have satisfactory hearing on retest.....	22
No. of children found to have satisfactory hearing on 2nd test.....	1
No. of children for further tests and investigations.....	5
No. of children whose parents refused to co-operate	1
No. of children awaiting retest as at 31.12.61	7
TOTAL	36

SCHOOL DENTAL SERVICE

This report on the Dental Services was prepared by the Principal School Dental Officer :

“Dear Sir,

I have the honour to present the following account of the County Dental Service for the year 1961. The vacancy for a Dental Officer in the Northern Area still remains unfilled and seems likely to remain so until the new health clinic is built there. Though all the other areas are filled, and in this we are more fortunate than many other Authorities, the establishment of five Dental Officers falls far short of the strength which would be required to give a full and comprehensive service throughout the county.

Dental Treatment

The treatment performed has been listed with that of the preceding four years. The number of children treated has risen quite significantly. The number of extractions and fillings done remain roughly the same as in the preceding year.

One point in the figures which I think needs a note of explanation is that 3,431 children were offered dental treatment during the year, but in the same period 3,476 were actually treated. From this, it would seem that our acceptance rate for treatment is impossibly high. The explanation is simple. Towards the end of 1960 a very considerable number of children were inspected some of whom were not treated until the following year. Much of the work done in the main clinics is now carried out with an appointment system and wherever possible, patients for whom treatment has been completed are re-called within a year.

General Anaesthetics.

Anaesthetists : Dr. H. Edwards, M.R.C.S., L.R.C.P., F.F.A., D.A.
 Dr. D. Gareth Hughes Thomas, B.Sc., M.B., C.H.

Number of cases treated under general anaesthetic shows a steady rise over the last five years, rising from 287 in 1957 to 454 in 1961.

Orthodontics.

A satisfactory year in as far as 'the number of cases completed' showed a rise to 54. An interesting factor here is the very considerable number of attendances per case involved in this type of treatment, which is usually conducted over a period of from four to eighteen months.

Mobile Dental Caravan.

We now have two mobile dental caravans in the county, the second one smaller and constructed entirely to our own plans, came into service about the end of November. This new caravan which contains a larger surgery than the old one, dispenses with the waiting and recovery rooms, has a considerably streamlined interior and should prove a very useful asset to the County Dental Service.

Allocation of Sessions.

The proportion of sessions devoted to inspection as to sessions of treatment is as follows, 1 to 19 which would seem quite satisfactory.

X-rays

We have X-ray machines installed in the following clinics : Llandudno, Bangor, Caernarvon, Llanberis and Pwllheli. 214 X-rays were taken during the course of the year.

It is a tribute to the patience and kindness of both the Dental Surgery Assistants and Dental Officers that the treatment of schoolchildren is carried out with little fuss or fear, and that the great majority of children treated by them leave school resolved to have regular inspection and treatment in the future.

Yours faithfully,
 D. McINTYRE."

DENTAL INSPECTIONS.

Number Inspected	4,747
Number Naturally Sound	297
Number Artificially Sound	1,466
Defective : Not Referred	75
Referred	2,909

COMPARATIVE TABLE OF DENTAL TREATMENT FOR LAST FIVE YEARS

TABLE 13

<i>Numbers Treated</i>	1957	1958	1959	1960	1961
Routine cases	1,716	2,299	1,971	2,222	2,954
Special Cases	498	492	473	555	522
TOTAL	2,214	2,791	2,444	2,777	3,476
Attendances for Treatment ...	7,461	8,651	8,652	10,476	9,121
<i>Extractions :</i>					
Permanent Teeth	388	427	540	786	613
Temporary Teeth	1,421	1,408	1,323	1,283	1,307
<i>Fillings :</i>					
Permanent Teeth	3,972	4,653	4,929	6,268	6,291
Temporary Teeth	1,052	1,173	1,286	1,369	1,339
<i>Anaesthetics :</i>					
Local	2,920	3,026	2,791	3,040	2,524
General	287	296	381	419	454
AgNO ₃ Temporary Teeth... ..	138	199	256	320	261
Teeth Crowned	—	2	3	10	8
X-rays taken	95	177	219	262	214
Prophylactic Cleaning	1,042	1,225	1,031	954	1,256
<i>Orthodontic Treatment :</i>					
Cases commenced during the year	38	54	46	58	42
Cases carried forward from previous year	22	23	40	31	42
Cases completed	30	29	41	30	54
Cases discontinued	7	8	14	17	11
Pupils treated with appliances ...	48	57	90	89	78
Appliances fitted	48	57	90	100	78
Total attendances	349	405	751	634	546
Impressions taken	143	203	203	283	249
Appliances adjusted	181	199	501	355	312
Pupils fitted with artificial dentures.	—	—	—	16	23
Number of treatment sessions ...	1,417	1,608	1,531	1,741	1,684
Number of inspection sessions ...	95	141	66	123	86
Number of sessions—other work ...	259	234	176	225	172

DENTAL INSPECTION AND TREATMENT

TABLE 14

1. Number of pupils inspected by the Authority's Dental Officers :							
(a) Periodic age groups	...	...	...	...	...	4,747	
(b) Specials	...	...	...	...	...	522	
Total (1)	...	...	...	...	...	5,269	
2. Number found to require treatment	...	...	...	...	...	3,506	
3. Number referred for treatment	...	...	...	...	...	3,431	
4. Number actually treated	...	...	...	...	...	3,476	
5. Attendances made by pupils for treatment	...	...	...	...	...	9,667	
6. Half-days devoted to Inspection	...	...	...	...	...	86	
Treatment	...	...	...	...	...	1,684	
Total (6)	...	...	...	...	...	1,770	
7. Fillings :							
Permanent Teeth	...	...	...	...	...	6,291	
Temporary Teeth	...	...	...	...	...	1,339	
Total (7)	...	...	...	...	...	7,630	
8. Number of teeth filled: Permanent teeth	...	...	...	...	...	5,822	
Temporary Teeth	...	...	...	...	...	1,278	
Total (8)	...	...	...	...	...	7,100	
9. Extractions :							
Permanent Teeth	...	...	...	...	...	613	
Temporary Teeth	...	...	...	...	...	1,307	
Total (9)	...	...	...	...	...	1,920	
10. Administration of General Anaesthetics for extraction	...	...	...	...	...	454	
11. Other operations :							
Permanent Teeth	...	...	...	...	...	4,149	
Temporary Teeth	...	...	...	...	...	261	
Total (11)	...	...	...	...	...	4,410	
ORTHODONTICS :							
Cases commenced during the year	...	...	...	...	...	42	
Cases carried forward from previous year	...	...	...	...	...	42	
Cases completed during the year	...	...	...	...	...	54	
Cases discontinued during the year	...	...	...	...	...	11	
Pupils treated with appliances	...	...	...	...	...	78	
Removable appliances fitted	...	...	...	...	...	78	
Fixed appliances fitted	...	...	...	...	...	—
Total attendances	...	...	...	...	...	546	
Number of pupils supplied with artificial dentures	...	...	...	...	...	23	
Appliances Adjustments	...	...	...	...	...	312	

TABLE 15
ROUTINE INSPECTIONS

<i>Age</i>	<i>No. of children found to require treatment</i>	<i>No. of children not requiring treatment</i>	<i>Total Inspected</i>
2	—	—	—
3	24	20	44
4	140	65	205
5	224	112	336
6	277	93	370
7	326	139	465
8	354	145	499
9	292	127	419
10	280	157	437
11	251	191	442
12	262	172	434
13	268	204	472
14	253	196	449
15	136	129	265
16	36	52	88
17	16	29	45
18	7	15	22
19	2	2	4
20	—	—	—
TOTAL ...	3,148	1,848	4,996

MEDICAL AND SURGICAL TREATMENT

MINOR AILMENTS

Health Visitors and District Nurses treated 45 minor ailments during 1961. These comprised 2 skin complaints, 1 condition of the ear, and 42 miscellaneous conditions. Attendances for treatment amounted to 89.

VISUAL DEFECTS

The Ophthalmic Specialists examined 1,349 children during the year. Spectacles were prescribed for 790 children and another 96 received other forms of treatment.

EAR, NOSE AND THROAT.

Of 58 children examined by the Specialist during 1961, 27 were advised to have operative treatment for tonsils and/or adenoids, and 32 were referred for other forms of treatment.

Details of treatment given to children during the year are given in this Table.

TABLE 16

<i>Nature of Treatment</i>	<i>Number Treated</i>
Operative Treatment for adenoids and chronic tonsillitis ...	29
Operative Treatment for other Nose and Throat conditions ...	2
Other Forms of Treatment for Nose and Throat conditions ...	29
Treatment for Ear Defects	—
TOTAL TREATED	60

SPEECH THERAPY

Mrs. G. Vaughan Robyns, the Speech Therapist, resigned her appointment in December 1960, and though the post has been advertised repeatedly, we have been unable to secure the services of another Therapist.

In June 1961 Mrs. Vaughan Robyns agreed to hold one session weekly in Caernarvon Clinic, and her report on this work is given below.

"To the Principal School Medical Officer :

Dear Sir,

During the period June to December 1961 regular speech clinics were held at Caernarvon. Fifty-four children attended for treatment ; of these, six were discharged at the end of the year with normal or improved speech, and a further five were discharged because of their unsatisfactory attendance records.

At the beginning of this period there were forty-two children on the waiting list. The number rose to forty-five by the end of the year.

Yours faithfully,

G. V. ROBYNS"

TABLE 17

	<i>Number of children seen</i>	<i>Total Atten- dances</i>	<i>Treat- ment Com- pleted</i>	<i>Failed to com- plete treatment</i>	<i>Still Atten- ding</i>
Dyslalia	23	43	2	2	19
Stammer	22	33	3	2	17
Cleft Palate	2	25	—	—	2
Dysphasia	1	2	—	—	1
Insufficient Nasality	1	2	—	—	1
Excessive Nasality.....	3	3	1	1	1
Speech and Language Retar- dation	4*	27	—	—	4
TOTAL	56	135	6	5	45

*Including 2 children who were under school age and who attended on 17 occasions

CHILD GUIDANCE

The Education Committee, in conjunction with the other four North Wales Counties, accept financial responsibility for the "Child Guidance Centre" service.

This report and details of the children who received attention and treatment during 1961 have been supplied by Dr. Simmons, the Child Psychiatrist.

PRELIMINARY BRIEF REPORT.

The staffing position of the clinics improved in the second half of the year and work proceeded on lines essentially identical with those of preceding years. Unfortunately the post of Child Therapist remained unfilled and the number of children who could be accepted for treatment was smaller than one would have wished. Preparations for the opening of "Gwynfa" our new Residential Clinic, for the treatment of emotionally disturbed children, added to the already heavy demands on our time and no other new work could be undertaken.

The numbers of pre-school children seen at the clinics have been relatively small for many years, only 15-22 having been referred during any one of the years 1955-1960. About one third of these, additionally, were dull or very dull and thus referred for diagnostic purposes or an assessment of their educability only. The numbers constituted only 5 per cent. to 8 per cent. of the total annual referrals. In 1961 the figures for the individual counties were :

Anglesey ...	...	...	...	...	...	...	3
Caernarvonshire ...	...	...	...	...	...	...	4
Denbighshire ...	...	...	...	...	...	...	3
Flintshire ...	...	...	...	...	...	...	4
Merioneth ...	...	...	...	...	...	...	—

On the basis of general principles, the rapid rise in the referral rate of children after entry into school, and the chronicity of much ill-health found in even young school children, it is reasonable to conclude that evidence of abnormal development must frequently have been present at an earlier age, and that suitable modifications in handling or treatment might have prevented the development of more serious conditions, the consequent need for highly specialised and often lengthy treatment, and perhaps of permanent incapacitation.

It is not suggested that there is a simple answer to the problems involved. Abnormal development is frequently distinguished from temporary deviation with difficulty only and neither diagnosis of abnormality nor suitable therapeutic or remedial measures are always acceptable when we are dealing with the very young.

We feel, nevertheless, that we could make a more definite contribution in this field if we could increase our contacts with those who deal with large numbers of pre-school children, in particular the staffs of Local Authority Clinics. We need not necessarily ourselves see many more of the children, but psychiatrists and/or psychiatric social workers might discuss problems presented by parents or children with members of the

clinic staffs, and interview either or both in selected cases. Experience would show what might be the best method of approach and we hope to take this matter up as soon as we can.

The Education Authorities of the five counties agreed to the appointment of two Educational Psychologists, the Denbighshire Authority acting as the employing agency on their behalf, the appointees to be responsible to the Medical Director. Mr. J. B. Edwards, who is Welsh speaking, and Mr. P. J. Macdonald, were appointed to the posts and took over their work on 1st November and 1st September 1961, respectively.

The opening of "Gwynfa" for the reception of patients was delayed until late December, as a result of illness among the senior clinic staff.

Recruitment of the "house staff" of the composition and size needed to meet likely requirements during the first phase of development was practically complete by October. Full use was made of the next few months to give everyone an opportunity to get to know each other and to discuss some of the many problems relating to the highly specialised work to be carried out at "Gwynfa."

This work later merged into the "Two Year Course of Training for Workers with emotionally disturbed children" which has been arranged jointly with University College, Bangor.

The number of children, boys and girls aged up to about 12, who can be accommodated at "Gwynfa" will increase as time goes on to a probable maximum of 24. It is intended to accept additional "trainees," who should be of good educational background and suitable temperament, in September of each year.

The exact contribution which "Gwynfa" will be able to make, and the bearing this will have on the provisions to be made by Local Education Authorities for the treatment of emotionally handicapped pupils, cannot be assessed yet. It is thought very likely, however, that the number of places required in special hostels or schools will be reduced to a definite extent. It must be recognised, at the same time, that "Gwynfa," apart from serving as a diagnostic centre, is intended to deal mainly with children who can be helped by active treatment during a period normally not exceeding 6-9 months. When, because of the nature of the children's handicap or because of environmental factors long term treatment within the education system is indicated, present arrangements will have to continue, although one hopes that in the not too distant future facilities will become available within reach of the children's own homes and in close co-operation with the established Child Guidance Services of the area.

We trust that at "Gwynfa" we shall be able, in due course, to offer opportunities to gain additional experience to an increasing number of workers from various fields, and that they and some of our own students will help to staff existing and future establishments catering for the needs of emotionally disturbed children.

The range of the research project aiming to develop a standardised intelligence test for Welsh speaking children was extended to include children up to school leaving age. The work will be completed during 1962 and the resulting test scale will be of considerable value and interest to us at the clinics and, no doubt, to the staffs of the Local Health and Education Authorities.

Once again we have been greatly encouraged by the goodwill towards our work shown by many workers in the hospital, social, educational and community services of the area, and we look forward to continued happy and fruitful co-operation with them.

1. Caernarvonshire children dealt with during 1961.

<i>Clinic</i>	<i>No. of Individ. Children</i>	ATTENDANCES									
		<i>Psychiatrist</i>				<i>Psychologist</i>				<i>P.S.W.</i>	
		<i>First C.</i>	<i>P.</i>	<i>First C.</i>	<i>Further P.</i>	<i>First C.</i>	<i>P.</i>	<i>First C.</i>	<i>Further P.</i>	<i>First P.</i>	<i>Further P.</i>
Bangor	103	30	23	128	24	60	2	158	38	34	76
Colwyn	40	18	16	64	5	12	—	37	11	22	51
Bl. Ffestiniog	3	1	—	4	—	1	1	—	4	—	—
Totals	146	49	39	196	29	73	3	195	53	56	127

C—Child

P—Parents or Guardians.

2. Children from other Counties seen at Caernarvonshire Clinics.

<i>Clinic</i>	<i>No. of Individ. Children</i>	ATTENDANCES									
		<i>Psychiatrist</i>				<i>Psychologist</i>				<i>P.S.W.</i>	
		<i>First C.</i>	<i>P.</i>	<i>First C.</i>	<i>Further P.</i>	<i>First C.</i>	<i>P.</i>	<i>First C.</i>	<i>Further P.</i>	<i>First P.</i>	<i>Further P.</i>
Bangor : Anglesey	25	12	1	17	13	11	3	21	4	12	12

3. Number of Visits (Caernarvonshire).

<i>Psychiatric Social Worker</i>		<i>Psychologist</i>	
<i>Home Visits</i>	<i>Visits to Other Social Workers</i>	<i>School Visits</i>	<i>Visits to Other Social Workers</i>
50	7	49	6

4. Number of Referrals received during 1961.

<i>Referring Agency</i>							<i>No. of Referrals</i>
School Medical Officer	...	...	...	...	...	...	59
General Practitioners	...	...	...	...	...	...	22
Consultant Paediatricians	...	...	...	...	...	...	7
Other Medical Specialists	...	...	...	...	...	...	—
Courts and Probation Officers	...	...	...	...	...	...	3
Other Social Workers	...	...	...	...	...	...	7
Children's Officers	...	...	...	...	...	...	1
Parents	...	...	...	...	...	...	3
Headmasters	...	...	...	...	...	...	2
							104
Waiting List at 31.12.61	...	...	...	...	...	...	8

ORTHOPTIC TREATMENT

Miss A. F. Baxter, the Orthoptist, resigned her appointment in December 1960, and it has been necessary to suspend this service until another Orthoptist is appointed.

ORTHOPAEDIC TREATMENT

The Orthopaedic Specialist examined 443 children, including 119 children who were seen for the first time at the Survey Clinics held at Caernarvon, Bangor, Pwllheli and Llandudno. The Council's Physiotherapist treated 102 children in the After-Care Clinics. Children treated in hospital totalled 5.

I have received this report from the Council's Physiotherapist on the work done during the year :

"To the Principal School Medical Officer :

Dear Sir,

Mr. G. I. Roberts, F.R.C.S., Orthopaedic Surgeon, continued to attend the Orthopaedic Survey Clinics which are held monthly in rotation at Caernarvon, Bangor, Pwllheli and Llandudno.

Children are referred to these Clinics for consultation by the School Medical Officers following Medical Inspection at school. General Practitioners also refer children to the Clinics for consultation.

The attendance at the Clinic throughout the year was very good and the parents were co-operative in following the advice and instruction given to them.

In some instances weekly treatment is given by me to children referred for such treatment by the Orthopaedic Surgeon at the Orthopaedic After-Care Clinics which are held at Pwllheli, Caernarvon, Llandudno, Portmadoc and Bangor.

A number of children were referred to me for treatment at these Clinics by Dr. Gwyn Griffith, Paediatrician, St. David's Hospital, Bangor, and by Dr. J. Glyn Jones, Chest Physician. The children benefited from the treatment given at these Clinics.

During the year the advice of Professor B. L. McFarland, F.R.C.S., of Liverpool, and Mr. R. Roaf, F.R.C.S., of the Robert Jones and Agnes Hunt Orthopaedic Hospital, Oswestry, was sought in a few selected cases. One child was referred to the Limb Fitting Centre at Liverpool.

A representative of Rempoy Ltd. attended each Survey Clinic so that expert advice was available for children who required appliances or modification to their footwear. The representative is also available every Friday afternoon at the Bangor Clinic to discuss any queries which may arise concerning appliances supplied to children.

The co-operation of the Hospitals and the Radiological Departments has been excellent throughout the year.

Very few children were referred to the Clinics for Ultra Violet Light Therapy but those who were referred benefited from this treatment.

I wish to thank you for your help and advice in maintaining the School Orthopaedic Service, and also the School Medical Officers, Health Visitors and Clerical Staff for their assistance.

Yours faithfully,

M. FISHER WILLIAMS,
Physiotherapist."

A summary of the treatment performed at these clinics during 1961 is given in these tables :

TABLE 18
SURVEY CLINICS

<i>Place held</i>	<i>No. of Sessions</i>	<i>Number Examined</i>		<i>Treatment Recommended</i>					<i>No. Dischar'd</i>	<i>Refer-red to School Medical Officers</i>	<i>X-Rays</i>
		<i>New Cases</i>	<i>Old Cases</i>	<i>Hosp-ital</i>	<i>Appli-ances</i>	<i>Mass-age and S.R.E.</i>	<i>Ob-ser-vation</i>	<i>Other Treat-ment</i>			
Llandudno	6	24	74	1	44	14	17	3	11	7	1
Pwllheli ...	6	35	81	—	56	11	16	1	9	7	4
Bangor ...	6	26	97	3	49	19	12	3	14	22	1
Caernarvon	6	34	72	3	41	16	20	4	8	17	—
TOTAL	24	119	324	7	190	60	65	11	42	53	6

TABLE 19
HOSPITAL TREATMENT

No. of Children on Waiting List at the beginning of the year ...	...	—
No. of Children Advised Hospital Treatment during the year ...	...	7
No. of Children admitted to Hospital during the year ...	...	5
No. of Children Discharged from Hospital during the year ...	...	5
No. of Children whose Parents refused Hospital Treatment ...	...	2
No. of Children on Waiting List at the end of the year ...	...	—

TABLE 20
AFTER-CARE CLINICS

<i>Place Held</i>	<i>No. of Sessions held</i>	<i>Individual Cases who attended</i>	<i>Total Attendances</i>
Llandudno	46	15	286
Bangor	36	26	294
Caernarvon	47	31	430
Portmadoc	45	12	252
Pwllheli	39	18	286
TOTALS	213	102	1,548

TABLE 21
ULTRA VIOLET RAY CLINICS

<i>Place Held.</i>	<i>No. of Sessions held</i>	<i>Individual Cases who attended</i>	<i>Total Attendances</i>
Llandudno	50	16	147
Bangor	49	5	50
Caernarvon	45	16	132
Pwllheli	39	2	17
Portmadoc	46	2	9
TOTALS	229	41	355

INCIDENCE OF INFECTIOUS DISEASES AMONGST CHILDREN BELOW SCHOOL LEAVING AGE

POLIOMYELITIS

No notifications were received in respect of Caernarvonshire children.

IMMUNISATION AGAINST POLIOMYELITIS

Special Immunisation Sessions were arranged at Schools and Clinics throughout the County and a fourth injection was given to school children under the age of 12 years in accordance with the announcement of the Ministry of Health in April 1961.

By December 1961, 72.4 per cent. of the children born between 1943 and 1961 had been given the full protective course of three doses. A total of 81,471 injections had been given to children below school leaving age since the commencement of the scheme.

NOTIFICATION OF INFECTIOUS DISEASES

Details of Notifications of Infectious Diseases among children below school leaving age are given below :

TABLE 22

<i>Disease</i>	<i>No. Notified</i>
Scarlet Fever	15
Whooping Cough	68
Measles	753
Dysentery and Food Poisoning	8
Chickenpox	68
Acute Encephalitis	1

DIPHTHERIA IMMUNISATION

The effectiveness of immunisation in controlling Diphtheria is demonstrated in Table 24 on page 44. It is particularly interesting to observe that 1961 was the 10th successive year during which no cases were notified and the 15th successive year during which no child who had been completely immunised suffered or died from the disease.

These encouraging facts could, however, create a false sense of security. Some of our younger parents, because they have no experience of Diphtheria and its dangers, tend to regard immunisation as an unnecessary discomfort to their children. It cannot be too often emphasised that the disease will again become a "killer" and a "maimer" unless parents ensure that their children are immunised against it. The Medical, Health Visiting and Nursing Staffs continue to impress upon all parents the importance of securing for their children free protection against Diphtheria. They emphasise the suffering and danger to which the children may be exposed by their failure to secure this simple means of protection—a first class insurance.

Immunisation against Diphtheria had to be partly suspended during 1961 because of the scheme for the mass immunisation of children against Poliomyelitis.

It is interesting to record that more than 50,200 children have been protected and approximately 262,600 initial and "boosting" injections given by the Council's staff since 1939.

Children who completed the full course of immunisation during 1961 total 1,376. School Medical Officers immunised 212 of these and General Practitioners immunised 1,164. During the year 1,074 other children received reinforcing injections.

Details of children immunised are given in Table 22.

TABLE 23

	CHILDREN BORN IN YEARS							<i>Total</i>
	1961	1960	1959	1958	1957	1952-1956	1947-1951	
No. of children who completed a full course of Primary Immunisation in 1961	293	692	174	91	39	68	19	1,376
No. of children who received a reinforcing injection during 1961	—	—	—	—	23	735	316	1,074

DIPHTHERIA—INCIDENCE AND MORTALITY (ADULTS AND CHILDREN)

RATES PER 100,000 POPULATION.

TABLE 24

<i>Year</i>	INCIDENCE		MORTALITY	
	<i>Cases Notified</i>	<i>Attack Rate</i>	<i>Deaths</i>	<i>Death Rate</i>
1913	175	140	19	15
1914	227	182	16	13
1915	171	147	13	11
1916	164	146	30	27
1917	76	73	12	11
1918	55	53	6	6
1919	82	73	7	6
1920	124	107	11	9
1921	287	235	23	19
1922	223	183	16	13
1923	102	85	2	2
1924	58	48	1	1
1925	67	56	4	3
1926	41	34	1	1
1927	57	47	4	3
1928	81	65	12	9
1929	142	115	9	7
1930	96	79	5	4
1931	93	78	7	5
1932	133	111	6	5
1933	110	92	4	3
1934	61	51	3	2
1935	97	81	3	2
1936	124	103	6	5
1937	330	277	9	7
1938	260	211	6	5
1939	202	169	8	7
1940	175	137	10	8
1941	204	143	10	6
1942	242	176	8	7
1943	159	120	3	2
1944	85	67	3	2
1945	91	74	3	3
1946	19	15	1	1
1947	19	15	—	—
1948	18	14	—	—
1949	2	1.6	—	—
1950	1	0.8	1 (adult)	0.8
1951	2	1.6	—	—
1952	—	—	—	—
1953	—	—	—	—
1954	—	—	—	—
1955	—	—	—	—
1956	—	—	—	—
1957	—	—	—	—
1958	—	—	—	—
1959	—	—	—	—
1960	—	—	—	—
1961	—	—	—	—

NITS AND LICE

Inspections made by School Nurses during 1961 totalled 42,723. Nits and/or lice were found on 319 children (1.6 per cent. of the school population). Of these 114 children were infested in 1960 and 205 were found to be infested for the first time during the year. One child was found to be extensively infested, 59 moderately infested, and the remainder only very slightly infested. Cleansing notices served during the year numbered 175.

The condition of most of the 175 children for whom cleansing notices were served was due to lack of perseverance rather than neglect on the part of the parents. Many of them fail to understand the necessity for continuing treatment after removing the original infestation until all the nits have been destroyed. It is gratifying, however, to see that the continued perseverance necessary to maintain children in a clean condition is having a positive effect. The number of children found to be unclean has been gradually reduced from 1,039 (5.7 per cent. of the school population) in 1950 to 319 (1.6 per cent. of the school population) in 1961. Some adults who neglect their own hair convey lice to their children. A new preparation for lice, which is also a killer of nits, is now being used.

It is now rare to observe flea infestation of children.

MILK AND SCHOOL MEALS

The County Health Officer, who is responsible for the supervision of the standard, quality and safety of milk supplied to schools, has submitted this report for the period 1st January, to 31st December, 1961 :

"Dear Sir,

Milk Supplies to Schools

There are 161 schools in the county and the average number of children who are supplied with milk in one-third pint bottles is approximately 14,800. For the first time all our schools are now supplied with either Tuberculin Tested Pasteurised or Pasteurised Milk.

TABLE 25

Grade of Milk	Number of Schools Supplied.								
	1953	1954	1955	1956	1957	1958	1959	1960	1961
Tuberculin Tested	4	2	2	2	1	1	1	1	—
Undesignated.....	3	2	2	2	1	1	—	—	—
T.T. Pasteurised. .	8	8	8	8	8	8	8	8	8
Pasteurised	153	155	155	148	150	150	150	150	153

Bacteriological Examination of Milk for Schools.

121 milk samples were taken from schools during the year ; only two milks failed the Methylene Blue Reductase Test which indicates the keeping quality of the milk. No milk samples failed the Phosphates Tests, which indicates adequate pasteurisation of the milk.

Routine inspections were made of all pasteurising plants in the county who supply milk to schools, and several bottle washings and water samples were taken.

TABLE 26

<i>Grade of Milk</i>	<i>Methylene Blue Test</i>			<i>Phosphatase Test</i>		
	<i>No. Taken</i>	<i>No. Satis.</i>	<i>No. Unsat.</i>	<i>No. Taken</i>	<i>No. Satis.</i>	<i>No. Unsat.</i>
Pasteurised	112	110	2	112	112	—
T.T. Pasteurised	9	9	—	9	9	—
TOTALS	121	119	2	121	121	—

SCHOOL MEALS

Approximately 12,400 meals were provided daily from 133 school kitchens and served at 159 schools. There are only two schools which do not provide facilities for meals in the county.

During the year 129 inspections have been made to the school kitchens. A high standard of hygiene is maintained at the majority of the school kitchens and credit is given to the School Meals Organiser and her staff for their supervision.

No outbreaks of food poisoning or other illnesses attributed to food have been notified during the year from schools.

During the year improvements have been made with regard to structure and equipment in the school kitchens. Four new kitchens have been constructed and several other kitchens received alterations. Several kitchens have been provided with sterilizing sinks.

Since the Food Hygiene Regulations 1955 came into force, the majority of school kitchens by now comply with the standards laid down by the regulations. However, the nuisance as mentioned in my previous reports, due to condensation, is indeed very evident. This condition is most evident in the prefabricated kitchens which were installed at the commencement of the school meals service, and is due to the lack of insulation of the particular type of structure. However, it appears that these kitchens were only intended as temporary structures pending eventually the construction of permanent kitchens. I feel that the time has now arrived when the prefabricated kitchens should be reviewed and maybe replaced with modern permanent kitchens.

The standard of food, which includes meat and milk, has been of good quality. Samples of desiccated coconut were taken and recommendations made as to the use of this commodity at schools, because reports had been received on the defective bacteriological standard of some samples tested elsewhere.

Thirty-two visits were made to food premises supplying schools. In all respects several did not conform to the standard as required by the Food Hygiene Regulations, 1955. One supplier's contract was not renewed and with regard to others, on verbal request contraventions were remedied.

I wish to record that all assistance has been given to me from Head-teachers, the School Meals Organiser and kitchen staffs, when inspections have been made.

Yours faithfully,

ANEURIN JONES,
County Health Officer."

MINISTRY OF EDUCATION—MEDICAL INSPECTION RETURNS

FOR THE YEAR ENDED 31ST DECEMBER, 1961

Medical Inspection of Pupils attending Maintained and Assisted
Primary and Secondary Schools (including Nursery and Special Schools).

A. PERIODIC MEDICAL INSPECTIONS.

<i>Age Groups Inspected (By Year of Birth)</i>	<i>Number of Pupils Inspected</i>	<i>Physical Condition of Pupils Inspected</i>			
		<i>Satisfactory</i>		<i>Unsatisfactory</i>	
		<i>Number</i>	<i>% of Col. 2</i>	<i>Number</i>	<i>% of Col. 2</i>
(1)	(2)	(3)	(4)	(5)	(6)
1957 and later ...	560	560	100.0	—	—
1956	1,071	1,070	99.91	1	0.09
1955	976	975	99.91	1	0.09
1954	181	180	99.45	1	0.55
1953	67	67	100.0	—	—
1952	55	55	100.0	—	—
1951	855	854	99.88	1	0.12
1950	868	867	99.88	1	0.12
1949	67	67	100.0	—	—
1948	22	22	100.0	—	—
1947	984	984	100.0	—	—
1946 and earlier. .	763	763	100.0	—	—
TOTAL ...	6,469	6,464	99.93	5	0.07

B. PUPILS FOUND TO REQUIRE TREATMENT AT PERIODIC MEDICAL INSPECTIONS.

(Excluding Dental Diseases and Infestation with Vermin)

<i>Age Groups Inspected (By Year of Birth)</i>	<i>For Defective Vision (excluding Squint)</i>	<i>For any of the other Conditions Recorded in Part II</i>	<i>Total Individual Pupils</i>
(1)	(2)	(3)	(4)
1957 and later ...	—	27	24
1956	10	35	44
1955	15	42	55
1954	5	8	13
1953	1	—	1
1952	6	5	11
1951	43	23	62
1950	30	20	49
1949	5	—	5
1948	3	4	7
1947	48	19	64
1946 and earlier ...	34	8	42
TOTAL ...	200	191	377

C. OTHER INSPECTIONS.

Number of Special Inspections	...	...	...	...	...	...	231
Number of Re-Inspections	...	...	...	...	...	...	4,882
TOTAL	...	...	...	...	...	...	5,113

D. INFESTATION WITH VERMIN.

(a) Total number of individual examinations of pupils in schools by school nurses or other authorised persons	...	...	...	...	42,723
(b) Total number of individual pupils found to be infested	...	...	...	...	319
(c) Number of individual pupils in respect of whom cleansing notices were issued	...	...	...	...	150
(d) Number of individual pupils in respect of whom cleansing orders were issued	...	...	...	...	25

RETURN OF DEFECTS FOUND BY MEDICAL INSPECTION IN THE YEAR
ENDED 31ST DECEMBER, 1961

De- fect Code No.	Defect or Disease	Periodic Inspections							
		Entrants		Leavers		Others		Total	
		(T)	(O)	(T)	(O)	(T)	(O)	(T)	(O)
4	Skin ...	8	31	1	58	13	54	22	143
5	Eyes (a) Vision ...	16	28	79	162	105	183	200	373
	(b) Squint ...	16	39	7	24	18	72	41	135
	(c) Other ...	—	15	1	17	1	17	2	49
6	Ears (a) Hearing... ..	6	22	—	9	8	49	14	80
	(b) Otitis	—	—	—	—	—	—	—	—
	Media ...	—	25	—	9	—	34	—	68
...	(c) Other ...	—	4	—	3	1	4	1	11
7	Nose and Throat ...	10	242	3	87	17	335	30	664
8	Speech ...	2	21	2	6	4	38	8	65
9	Lymph'c Glands ...	—	98	—	6	—	99	—	203
10	Heart ...	1	13	1	15	—	31	2	59
11	Lungs ...	1	37	—	21	1	51	2	109
12	Developmental :								
	(a) Hernia ...	1	5	1	1	—	8	2	14
	(b) Other ...	1	41	3	7	1	68	5	116
13	Orthopaedic :								
	(a) Posture ...	1	2	1	5	3	12	5	19
	(b) Feet ...	7	60	2	31	24	88	33	179
	(c) Other ...	2	40	2	28	7	92	11	160
14	Nervous System :								
	(a) Epilepsy	1	5	—	2	2	10	3	17
	(b) Other ...	—	1	—	4	—	11	—	16
15	Psychological :								
	(a) Development	1	8	—	5	—	23	1	36
	(b) Stability ...	—	11	—	5	3	13	3	29
16	Abdomen ...	—	14	1	4	2	20	3	38
17	Other ...	2	12	1	13	—	18	3	43

T—Treatment.

O—Observation.

SPECIAL INSPECTIONS.

Defect Code No.	Defect or Disease	Special Inspections	
		Pupils Requiring Treatment	Pupils Requiring Observation
4	Skin	2	3
5	Eyes: (a) Vision	19	—
	(b) Squint	1	—
	(c) Other	—	—
6	Ears: (a) Hearing	3	1
	(b) Otitis Media	—	1
	(c) Other	—	—
7	Nose and Throat	16	7
8	Speech	2	—
9	Lymphatic Glands	1	1
10	Heart	2	—
11	Lungs	12	2
12	Developmental: (a) Hernia	1	—
	(b) Other	1	—
13	Orthopaedic: (a) Posture	—	—
	(b) Feet	13	—
	(c) Other	4	—
14	Nervous System: (a) Epilepsy	—	—
	(b) Other	—	—
15	Psychological: (a) Development	1	—
	(b) Stability	2	—
16	Abdomen	1	1
17	Other	16	—

EYE DISEASES, DEFECTIVE VISION AND SQUINT.

	Number of Cases known to have been dealt with
External and other, excluding errors of refraction and squint...	96
Errors of refraction (including squint)	1,253
TOTAL	1,349
Number of pupils for whom spectacles were prescribed ...	790

DISEASES AND DEFECTS OF EAR, NOSE AND THROAT.

	Number of cases known to have been treated
Received operative treatment:	
(a) for diseases of the ear	—
(b) for adenoids and chronic tonsillitis	29
(c) for other nose and throat conditions	2
Received other forms of treatment	29
TOTAL	60
Total number of pupils in schools who are known to have been provided with hearing aids:	
(a) In 1961	7
(b) In previous years... ..	12

ORTHOPAEDIC AND POSTURAL DEFECTS.

	<i>Number of cases known to have been treated</i>
(a) Pupils treated at clinics or out-patients departments ...	102
(b) Pupils treated at school for postural defects ...	—
TOTAL	102

DISEASES OF THE SKIN.

	<i>Number of cases known to have been treated</i>
Ringworm (a) Scalp	—
(b) Body	4
Scabies	1
Impetigo	—
Other skin diseases	14
TOTAL	19

CHILD GUIDANCE TREATMENT.

	<i>Number of cases known to have been treated</i>
Pupils treated at Child Guidance Clinics	48

SPEECH THERAPY.

	<i>Number of Cases known to have been treated</i>
Pupils treated by speech therapist	54

OTHER TREATMENT GIVEN.

	<i>Number of cases known to have been treated</i>
(a) Pupils with minor ailments	42
(b) Pupils who received convalescent treatment under School Health Service arrangements	—
(c) Pupils who received B.C.G. Vaccination	2,593
(d) Other than (a) (b) (c) above, please specify	
Ear Diseases	1
Ultra Violet Light	41
TOTAL (a) to (d)	2,677

DENTAL INSPECTION AND TREATMENT CARRIED OUT
BY THE AUTHORITY

1. Number of pupils inspected by the Authority's Dental Officers :		
(a) At periodic Inspections	4,747	} Total (1)
(b) As Specials	522	
2. Number found to require treatment		5,269
3. Number offered treatment		3,431
4. Number actually treated		3,476
5. Number of attendances made by pupils for treatment, including those recorded at 11 (h)		9,667
6. Half days devoted to :		
(a) Periodic (School) Inspection	86	} Total (6)
(b) Treatment	1,684	
7. Fillings :		
(a) Permanent Teeth	6,291	} Total (7)
(b) Temporary Teeth	1,339	
8. Number of Teeth Filled :		
(a) Permanent Teeth	5,822	} Total (8)
(b) Temporary Teeth	1,278	
9. Extractions :		
(a) Permanent Teeth	613	} Total (9)
(b) Temporary Teeth	1,307	
10. Administration of General anaesthetics for extraction		454
11. Orthodontics :		
(a) Cases commenced during the year		42
(b) Cases brought forward from previous year		42
(c) Cases completed during the year		54
(d) Cases discontinued during the year		11
(e) Pupils treated with appliances		78
(f) Removable appliances fitted		78
(g) Fixed appliances fitted		—
(h) Total attendances		546
(i) Appliances adjustments		312
12. Number of pupils supplied with artificial teeth		23
13. Other operations :		
(a) Permanent Teeth	4,149	} Total (13)
(b) Temporary Teeth	261	
		4,410

HANDICAPPED PUPILS REQUIRING EDUCATION AT SPECIAL
SCHOOLS APPROVED UNDER SECTION 9(5) OF THE
EDUCATION ACT, 1944, OR BOARDING IN BOARDING HOMES.

<i>During the calendar year ended 31st December, 1961</i>	(1) <i>Blind</i> (2) <i>Partially sighted</i>		(3) <i>Deaf</i> (4) <i>Partially Deaf</i>		(5) <i>Physically Handicapped</i> (6) <i>Delicate</i>		(7) <i>Mal-adjusted</i> (8) <i>E.S.N.</i>		(9) <i>Epileptic</i> (10) <i>Speech Defects</i>		<i>TOTAL</i> <i>Cols. 1—10</i>
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
A. How many handicapped pupils were newly assessed as needing special educational treatment at special schools or in boarding homes? ...	—	2	2	2	2	6	2	12	1	—	29
B. (i) of the children included at A, how many were newly placed in special schools (other than hospital special schools) or boarding homes? ...	—	1	—	—	—	1	1	5	1	—	9
(ii) of the children assessed prior to 1st January, 1961, how many were newly placed in special schools (other than hospital special schools) or boarding homes? ...	1	—	—	1	—	—	—	4	—	—	6
Total (B (i) and B (ii.)) ...	1	1	—	1	—	1	1	9	1	—	15

On or about 24th January, 1962

	(2) Partially sighted	(4) Partially Deaf	Handicapped (6) Delicate	adjusted (8) E.S.N.	(10) Speech Defects	TOTAL Cols. 1-10					
How many handicapped pupils from the Authority's area : TOTAL (a) day ... (b) boarding ...	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
C. (i) were requiring places in special schools : (ii) included at (i) had not reached the age of 5 and were awaiting : (a) day places ... (b) boarding places ...	— 1	— 1	— 2	— 3	— 10	— 5	— 2	1 37	— —	— —	1 61
(iii) included at (i) who had reached the age of 5 but whose parents had refused consent to their admission to a special school, were awaiting : (a) day places ... (b) boarding places ...	— —	— —	— 2	— 2	— —	— 3	— —	— —	— —	— —	— 7
D. (i) were on the registers of (1) maintained special schools as : (a) day pupils ... (b) boarding pupils ...	— 1	— 4	1 1	— —	— —	— 2	— —	— —	— —	— —	1 48
(2) Non-maintained special schools as : (a) day pupils ... (b) boarding pupils ...	— 1	— —	— 3	— 3	— —	— —	— 1	— 4	— 2	— —	— 14
TOTAL ...	2	4	5	3	—	2	1	44	2	—	63
(ii) were on the registers of independent schools under arrangements made by the Authority.	—	—	—	—	—	—	—	—	—	—	—
Total (D (i) and D (ii)) ...	2	4	5	3	—	2	1	44	2	—	63
(iii) were boarded in homes and not already included under (i) and (ii) above ...	—	—	—	—	1	—	—	1	—	—	2
Total (D (i), (ii) and (iii)) ...	2	4	5	3	1	2	1	45	2	—	65
How many handicapped pupils (irrespective of the areas to which they belong) were being educated under arrangements made by the Authority in accordance with Section 56 of the Education Act, 1944 : (i) in hospitals ... (ii) in other groups (e.g., units for spastics, convalescent homes) ... (iii) at home ...	— — —	— — —	— — —	— — —	1 — 5	— — 1	— 1 —	— — —	— — —	— — —	1 1 6

